

# CHIRASORB Plus braided

## Antibacterial

CHIRASORB Plus braided is a mid-term absorbable, antibacterial coated, synthetic, multifilament suture made of 90% glycolide and 10% L-lactide. The braided suture is covered with antibacterial coating, which consists of copolymer glycolide and lactide, calcium stearate and chlorhexidine diacetate.

Chlorhexidine is a cationic antiseptic with a wide range of antimicrobial effects. It is effective on both Gram-positive and Gram-negative bacteria; the mechanism of action is cytoplasmic membrane disruption.

Sterile Chirasorb Plus braided is available in violet or natural. The product elicits a minimal acute inflammatory reaction in tissues.

Progressive loss of tensile strength and absorption of Chirasorb Plus braided occurs by hydrolysis, when the polymer is degraded to glycolic and lactic acids, which are subsequently absorbed and metabolised by the body.



**Indication:** General soft tissue approximation and/or ligation in all specialties.

**Contraindication:** Chirasorb Plus braided should not be used in tissues subject to expansion, stretching or distension, or which might require long-term mechanical support. Chirasorb Plus braided should not be used in patients with known allergic reactions to Chlorhexidine.

**Sizes:** 5/0 to 4 USP

**Structure:** Multifilament

**Absorption method:** Hydrolysis

### Strength Retention

|                 |                            |      |
|-----------------|----------------------------|------|
| <b>Profile:</b> | MID-TERM HEALING (35 days) |      |
|                 | 1 Day                      | 100% |
|                 | 14 Days                    | 75%  |
|                 | 21 Days                    | 50%  |

### Mass Absorption

**profile:** 56 - 70 days

# CHIRASORB Plus braided violet ligatures



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## Pre-cut threads

| EP  | USP | Length            | Cat. No |
|-----|-----|-------------------|---------|
| 1   | 5/0 | 3 x 45 cm         | CV 0012 |
| 1.5 | 4/0 | 3 x 45 cm         | CV 0013 |
| 2   | 3/0 | 3 x 45 cm         | CV 0014 |
| 3   | 2/0 | 3 x 45 cm         | CV 0015 |
| 3.5 | 0   | 3 x 45 cm         | CV 0016 |
| 4   | 1   | 3 x 45 cm         | CV 0017 |
| 5   | 2   | 3 x 45 cm         | CV 0018 |
| 1   | 5/0 | <b>6 x 45 cm</b>  | CV 0042 |
| 1.5 | 4/0 | 6 x 45 cm         | CV 0043 |
| 2   | 3/0 | 6 x 45 cm         | CV 0044 |
| 3   | 2/0 | 6 x 45 cm         | CV 0045 |
| 3.5 | 0   | 6 x 45 cm         | CV 0046 |
| 4   | 1   | 6 x 45 cm         | CV 0047 |
| 5   | 2   | 6 x 45 cm         | CV 0048 |
| 2   | 3/0 | <b>10 x 45 cm</b> | CV 0064 |
| 3   | 2/0 | 10 x 45 cm        | CV 0065 |
| 3.5 | 0   | 10 x 45 cm        | CV 0066 |
| 4   | 1   | 10 x 45 cm        | CV 0067 |
| 5   | 2   | 10 x 45 cm        | CV 0068 |
| 1   | 5/0 | <b>2 x 75 cm</b>  | CV 0022 |
| 1.5 | 4/0 | 2 x 75 cm         | CV 0023 |
| 2   | 3/0 | 2 x 75 cm         | CV 0024 |
| 3   | 2/0 | 2 x 75 cm         | CV 0025 |
| 3.5 | 0   | 2 x 75 cm         | CV 0026 |
| 4   | 1   | 2 x 75 cm         | CV 0027 |
| 5   | 2   | 2 x 75 cm         | CV 0028 |
| 1.5 | 4/0 | <b>5 x 75 cm</b>  | CV 0053 |
| 2   | 3/0 | 5 x 75 cm         | CV 0054 |
| 3   | 2/0 | 5 x 75 cm         | CV 0055 |

## Pre-cut threads

| EP  | USP | Length            | Cat. No |
|-----|-----|-------------------|---------|
| 3.5 | 0   | 5 x 75 cm         | CV 0056 |
| 4   | 1   | 5 x 75 cm         | CV 0057 |
| 5   | 2   | 5 x 75 cm         | CV 0058 |
| 1.5 | 4/0 | <b>1 x 150 cm</b> | CV 0083 |
| 2   | 3/0 | 1 x 150 cm        | CV 0084 |
| 3   | 2/0 | 1 x 150 cm        | CV 0085 |
| 3.5 | 0   | 1 x 150 cm        | CV 0089 |
| 4   | 1   | 1 x 150 cm        | CV 0087 |
| 5   | 2   | 1 x 150 cm        | CV 0090 |

## Chirapack - 20 pcs./box

| EP  | USP   | Length            | Cat. No |
|-----|-------|-------------------|---------|
| 2   | 3/0   | 1 x 250 cm        | CV 1004 |
| 3   | 2/0   | 1 x 250 cm        | CV 1005 |
| 3.5 | 0     | 1 x 250 cm        | CV 1006 |
| 4   | 1     | 1 x 250 cm        | CV 1007 |
| 5   | 2     | 1 x 250 cm        | CV 1008 |
| 1.5 | 4/0   | <b>1 x 300 cm</b> | CV 0003 |
| 2   | 3/0   | 1 x 300 cm        | CV 0004 |
| 3   | 2/0   | 1 x 300 cm        | CV 0005 |
| 3.5 | 0     | 1 x 300 cm        | CV 0006 |
| 4   | 1     | 1 x 300 cm        | CV 0007 |
| 5   | 2     | 1 x 300 cm        | CV 0008 |
| 6   | 3 + 4 | 1 x 300 cm        | CV 0009 |

## CHIRASORB Plus braided

| Needle                                                                                           | EP  | USP | Length    | Colour | Cat. No | Other information |
|--------------------------------------------------------------------------------------------------|-----|-----|-----------|--------|---------|-------------------|
| <b>HR: ½ circle, round body needle</b>                                                           |     |     |           |        |         |                   |
| HR 10<br>       | 1   | 5/0 | 1 x 75 cm | Violet | CV 0248 |                   |
| HR 13<br>       | 1   | 5/0 | 1 x 45 cm | Violet | CV 0252 |                   |
|                                                                                                  | 1.5 | 4/0 | 1 x 45 cm | Violet | CV 0253 |                   |
|                                                                                                  | 2   | 3/0 | 1 x 45 cm | Violet | CV 0250 |                   |
| HR 18<br>       | 1   | 5/0 | 1 x 75 cm | Violet | CV 0254 |                   |
|                                                                                                  | 1.5 | 4/0 | 1 x 75 cm | Violet | CV 0255 |                   |
|                                                                                                  | 2   | 3/0 | 1 x 45 cm | Violet | CV 0259 |                   |
| HR 22<br>     | 1.5 | 4/0 | 1 x 45 cm | Violet | CV 0258 |                   |
|                                                                                                  | 2   | 3/0 | 1 x 45 cm | Violet | CV 0259 |                   |
|                                                                                                  | 3   | 2/0 | 1 x 75 cm | Violet | CV 0260 |                   |
| HR 27<br>     | 1.5 | 4/0 | 6 x 45 cm | Violet | CV 0526 |                   |
|                                                                                                  | 2   | 3/0 | 6 x 45 cm | Violet | CV 0527 |                   |
|                                                                                                  | 3   | 2/0 | 1 x 75 cm | Violet | CV 0261 |                   |
| 2 x HR 27<br> | 2   | 3/0 | 4 x 75 cm | Violet | CV 0322 |                   |
|                                                                                                  | 3   | 2/0 | 4 x 75 cm | Violet | CV 0323 |                   |
|                                                                                                  | 1.5 | 4/0 | 1 x 45 cm | Violet | CV 0245 |                   |
| HR 27<br>     | 2   | 3/0 | 6 x 45 cm | Violet | CV 0537 |                   |
|                                                                                                  | 3   | 2/0 | 6 x 45 cm | Violet | CV 0538 |                   |
|                                                                                                  | 1.5 | 4/0 | 1 x 75 cm | Violet | CV 0265 |                   |
| HR 27<br>     | 2   | 3/0 | 1 x 75 cm | Violet | CV 0266 |                   |
|                                                                                                  | 3   | 2/0 | 1 x 75 cm | Violet | CV 0267 |                   |
|                                                                                                  | 3.5 | 0   | 1 x 75 cm | Violet | CV 0268 |                   |
| HR 27<br>     | 2   | 3/0 | 1 x 90 cm | Violet | CV 0366 |                   |
|                                                                                                  | 3   | 2/0 | 1 x 90 cm | Violet | CV 0367 |                   |
|                                                                                                  | 2   | 3/0 | 1 x 90 cm | Violet | CV 2466 |                   |
|                                                                                                  | 3   | 2/0 | 1 x 90 cm | Violet | CV 2467 |                   |



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| Needle                                                                                    | EP  | USP | Length    | Colour | Cat. No | Other information |
|-------------------------------------------------------------------------------------------|-----|-----|-----------|--------|---------|-------------------|
| HR: ½ circle, round body needle                                                           |     |     |           |        |         |                   |
|  HR 30   | 2   | 3/0 | 1 x 45 cm | Violet | CV 0169 |                   |
|                                                                                           | 2   | 3/0 | 1 x 75 cm | Violet | CV 0269 |                   |
|                                                                                           | 3   | 2/0 | 1 x 75 cm | Violet | CV 0273 |                   |
|                                                                                           | 3.5 | 0   | 1 x 75 cm | Violet | CV 0274 |                   |
|                                                                                           | 4   | 1   | 1 x 75 cm | Violet | CV 1275 |                   |
|  HR 35  | 3.5 | 0   | 1 x 90 cm | Violet | CV 0371 |                   |
|                                                                                           | 2   | 3/0 | 1 x 75 cm | Violet | CV 0270 |                   |
|                                                                                           | 3   | 2/0 | 1 x 75 cm | Violet | CV 0271 |                   |
|                                                                                           | 3.5 | 0   | 1 x 75 cm | Violet | CV 0272 |                   |
|                                                                                           | 4   | 1   | 1 x 75 cm | Violet | CV 1273 |                   |
|  HR 40 | 5   | 2   | 1 x 75 cm | Violet | CV 1272 |                   |
|                                                                                           | 3   | 2/0 | 1 x 90 cm | Violet | CV 0374 |                   |
|                                                                                           | 3.5 | 0   | 1 x 90 cm | Violet | CV 0375 |                   |
|                                                                                           | 4   | 1   | 1 x 90 cm | Violet | CV 0376 |                   |
|                                                                                           | 3   | 2/0 | 1 x 75 cm | Violet | CV 0275 |                   |
|  HR 48 | 3.5 | 0   | 1 x 75 cm | Violet | CV 1402 |                   |
|                                                                                           | 4   | 1   | 1 x 75 cm | Violet | CV 1396 |                   |
|                                                                                           | 5   | 2   | 1 x 75 cm | Violet | CV 1400 |                   |
|                                                                                           | 3.5 | 0   | 1 x 90 cm | Violet | CV 1403 |                   |
|                                                                                           | 4   | 1   | 1 x 90 cm | Violet | CV 1401 |                   |
|  HR 48 | 5   | 2   | 1 x 90 cm | Violet | CV 1399 |                   |



## CHIRASORB Plus braided

| Needle                                                                                               | EP       | USP        | Length                 | Colour           | Cat. No            | Other information  |
|------------------------------------------------------------------------------------------------------|----------|------------|------------------------|------------------|--------------------|--------------------|
| <b>HR: ½ circle, round body needle</b>                                                               |          |            |                        |                  |                    |                    |
| HR 50<br>           | 3.5      | 0          | 1 x 90 cm              | Violet           | CV 1392            |                    |
| HR 60<br>            | 3<br>3.5 | 2/0<br>0   | 1 x 75 cm<br>1 x 75 cm | Violet<br>Violet | CV 0278<br>CV 0279 |                    |
| HR 65<br>           | 4<br>5   | 1<br>2     | 1 x 75 cm<br>1 x 75 cm | Violet<br>Violet | CV 1285<br>CV 1286 |                    |
| HR 75<br>          | 5        | 2          | 1 x 75 cm              | Violet           | CV 0496            |                    |
| <b>HR s: ½ circle, round body needle - slim</b>                                                      |          |            |                        |                  |                    |                    |
| HR s 18<br>       | 1.5<br>2 | 4/0<br>3/0 | 1 x 75 cm<br>1 x 75 cm | Violet<br>Violet | CV 1256<br>CV 1257 | Slim needle        |
| HR s 27 Black<br> | 3        | 2/0        | 1 x 75 cm              | Violet           | CV 2267            | Slim, black needle |



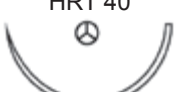
# CHIRASORB Plus braided

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Absorbable - Chirasorb Plus braided

| Needle                                                                                        | EP                       | USP                      | Length                                                     | Colour                                       | Cat. No                                          | Other information    |
|-----------------------------------------------------------------------------------------------|--------------------------|--------------------------|------------------------------------------------------------|----------------------------------------------|--------------------------------------------------|----------------------|
| HRX: ½ circle, round body needle - extra strong                                               |                          |                          |                                                            |                                              |                                                  |                      |
| HRX 22<br>   | 2                        | 3/0                      | 1 x 75 cm                                                  | Violet                                       | CV 0420                                          |                      |
| HRX 27<br>   | 2<br>3<br>3.5<br>4       | 3/0<br>2/0<br>0<br>1     | 1 x 75 cm<br>1 x 75 cm<br>1 x 75 cm<br>1 x 75 cm           | Violet<br>Violet<br>Violet<br>Violet         | CV 0429<br>CV 0430<br>CV 0431<br>CV 0432         |                      |
| HRX 30<br>   | 2<br><br>4               | 3/0<br><br>1             | 1 x 75 cm<br><br>1 x 90 cm                                 | Violet<br><br>Violet                         | CV 0426<br><br>CV 1438                           |                      |
| HRX 35<br>  | 3<br>3.5<br>4<br><br>3.5 | 2/0<br>0<br>1<br><br>0   | 1 x 75 cm<br>1 x 75 cm<br>1 x 75 cm<br><br>1 x 90 cm       | Violet<br>Violet<br>Violet<br><br>Violet     | CV 0280<br>CV 0281<br>CV 0282<br><br>CV 0381     |                      |
| HRX 40<br> | 3.5<br>4<br><br>3.5<br>4 | 0<br>1<br><br>0<br>1     | 1 x 75 cm<br>1 x 75 cm<br><br>1 x 75 cm<br>1 x 75 cm       | Violet<br>Violet<br><br>Violet<br>Violet     | CV 0285<br>CV 0286<br><br>CV 0285<br>CV 0286     |                      |
| HRX 40<br> | 3.5<br>4<br>5            | 0<br>1<br>2              | 1 x 90 cm<br>1 x 90 cm<br>1 x 90 cm                        | Violet<br>Violet<br>Violet                   | CV 0385<br>CV 0386<br>CV 0387                    |                      |
| HRX 40<br> | 3.5<br>4                 | 0<br>1                   | 1 x 150 cm<br>1 x 150 cm                                   | Violet<br>Violet                             | CV 4035<br>CV 4040                               | Loop<br>Loop         |
| HRX 45<br> | 4<br>5<br><br>4<br>5     | 1<br>2<br><br>1<br>2     | 1 x 75 cm<br>1 x 75 cm<br><br>1 x 90 cm<br>1 x 90 cm       | Violet<br>Violet<br><br>Violet<br>Violet     | CV 0290<br>CV 0291<br><br>CV 0390<br>CV 0391     |                      |
| HRX 45<br> | 3.5<br>4<br>5            | 0<br>1<br>2              | 1 x 75 cm<br>1 x 75 cm<br>1 x 75 cm                        | Violet<br>Violet<br>Violet                   | CV 0294<br>CV 0295<br>CV 0296                    |                      |
| HRX 50<br> | 4<br>5<br><br>5<br><br>4 | 1<br>2<br><br>2<br><br>1 | 1 x 90 cm<br>1 x 90 cm<br><br>1 x 110 cm<br><br>1 x 150 cm | Violet<br>Violet<br><br>Violet<br><br>Violet | CV 0395<br>CV 0396<br><br>CV 0393<br><br>CV 4540 | <br><br><br><br>Loop |

## CHIRASORB Plus braided

| Needle                                                                                        | EP       | USP        | Length                 | Colour           | Cat. No            | Other information |
|-----------------------------------------------------------------------------------------------|----------|------------|------------------------|------------------|--------------------|-------------------|
| <b>HRT: ½ circle, round body needle - tapercut</b>                                            |          |            |                        |                  |                    |                   |
| <br>HRT 17   | 1.5      | 4/0        | 1 x 45 cm              | Violet           | CV 0566            |                   |
|                                                                                               | 1.5<br>2 | 4/0<br>3/0 | 1 x 75 cm<br>1 x 75 cm | Violet<br>Violet | CV 0561<br>CV 0562 |                   |
| <br>HRT 25   | 2        | 3/0        | 1 x 75 cm              | Violet           | CV 0581            |                   |
|                                                                                               | 3        | 2/0        | 1 x 75 cm              | Violet           | CV 0582            |                   |
|                                                                                               | 3.5      | 0          | 1 x 75 cm              | Violet           | CV 0583            |                   |
| <br>HRT 30  | 3.5      | 0          | 1 x 75 cm              | Violet           | CV 0586            |                   |
|                                                                                               | 4        | 1          | 1 x 75 cm              | Violet           | CV 0587            |                   |
|                                                                                               | 4        | 1          | 1 x 90 cm              | Violet           | CV 0589            |                   |
| <br>HRT 31 | 3        | 2/0        | 1 x 75 cm              | Violet           | CV 0606            |                   |
| <br>HRT 37 | 3        | 2/0        | 1 x 75 cm              | Violet           | CV 0592            |                   |
|                                                                                               | 3.5      | 0          | 1 x 75 cm              | Violet           | CV 0593            |                   |
|                                                                                               | 3        | 2/0        | 1 x 90 cm              | Violet           | CV 0597            |                   |
|                                                                                               | 3.5<br>4 | 0<br>1     | 1 x 90 cm<br>1 x 90 cm | Violet<br>Violet | CV 0598<br>CV 0599 |                   |
| <br>HRT 40 | 3.5      | 0          | 1 x 75 cm              | Violet           | CV 0653            |                   |
|                                                                                               | 4        | 1          | 1 x 90 cm              | Violet           | CV 0651            |                   |
| <br>HRT 45 | 3        | 2/0        | 1 x 75 cm              | Violet           | CV 0663            |                   |
|                                                                                               | 5        | 2          | 1 x 75 cm              | Violet           | CV 0665            |                   |
| <br>HRT 48 | 3        | 2/0        | 1 x 75 cm              | Violet           | CV 1671            |                   |
|                                                                                               | 5        | 2          | 1 x 90 cm              | Violet           | CV 1668            |                   |

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Absorbable - Chirasorb Plus braided

| Needle                                                                                        | EP            | USP             | Length                              | Colour                     | Cat. No                       | Other information |
|-----------------------------------------------------------------------------------------------|---------------|-----------------|-------------------------------------|----------------------------|-------------------------------|-------------------|
| <b>HRN: ½ circle, round body needle - blunt point</b>                                         |               |                 |                                     |                            |                               |                   |
| HRN 50<br>   | 4             | 1               | 1 x 90 cm                           | Violet                     | CV 0686                       |                   |
| <b>HRF: ½ circle, flattened body needle, taper point</b>                                      |               |                 |                                     |                            |                               |                   |
| HRF 17<br>   | 1<br>1.5      | 5/0<br>4/0      | 1 x 75 cm<br>1 x 75 cm              | Violet<br>Violet           | CV 9242<br>CV 9256            |                   |
| HRF 22<br>   | 1.5<br>2      | 4/0<br>3/0      | 1 x 75 cm<br>1 x 75 cm              | Violet<br>Violet           | CV 9344<br>CV 9343            |                   |
| HRF 26<br> | 2<br>3        | 3/0<br>2/0      | 1 x 75 cm<br>1 x 75 cm              | Violet<br>Violet           | CV 9266<br>CV 9267            |                   |
|                                                                                               | 2             | 3/0             | 1 x 90 cm                           | Violet                     | CV 9366                       |                   |
| HRF 31<br> | 2<br>3        | 3/0<br>2/0      | 1 x 75 cm<br>1 x 75 cm              | Violet<br>Violet           | CV 9269<br>CV 9273            |                   |
| HRF 36<br> | 2<br>3<br>3.5 | 3/0<br>2/0<br>0 | 1 x 75 cm<br>1 x 75 cm<br>1 x 75 cm | Violet<br>Violet<br>Violet | CV 9577<br>CV 9236<br>CV 9235 |                   |
| <b>DR: 3/8 circle, round body needle</b>                                                      |               |                 |                                     |                            |                               |                   |
| DR 15<br>  | 1.5           | 4/0             | 1 x 75 cm                           | Violet                     | CV 0724                       |                   |
| DR 21<br>  | 3             | 2/0             | 1 x 75 cm                           | Violet                     | CV 0744                       |                   |
| DR 30<br>  | 2             | 3/0             | 1 x 75 cm                           | Violet                     | CV 0746                       |                   |

## CHIRASORB Plus braided

| Needle | EP | USP | Length | Colour | Cat. No | Other information |
|--------|----|-----|--------|--------|---------|-------------------|
|--------|----|-----|--------|--------|---------|-------------------|

### DRN: 3/8 circle, round body needle - blunt point

DRN 60



4

1

1 x 100 cm

Violet

CV 0699

### FR: 5/8 circle, round body needle

FR 27



3  
3.5

2/0  
0

1 x 75 cm  
1 x 75 cm

Violet  
Violet

CV 0610  
CV 0611

FR 38



3  
3.5

2/0  
0

1 x 75 cm  
1 x 75 cm

Violet  
Violet

CV 0620  
CV 0621

### GR: Straight, round body needle

GR 20



1.5  
2

4/0  
3/0

1 x 45 cm  
1 x 45 cm

Violet  
Violet

CV 0406  
CV 0407

1.5

4/0

1 x 75 cm

Violet

CV 0402

3

2/0

1 x 90 cm

Violet

CV 0399

### ART: Asymmetric, round body needle - tapercut

ART 30 Black



1.5

4/0

1 x 45 cm

Violet

CV 0630

Black needle

### JRT: Hook shaped, round body needle - tapercut

JRT 30



4

1

1 x 75 cm

Violet

CV 0694

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| Needle                                                                                       | EP                 | USP                | Length                                           | Colour                               | Cat. No                                  | Other information |
|----------------------------------------------------------------------------------------------|--------------------|--------------------|--------------------------------------------------|--------------------------------------|------------------------------------------|-------------------|
| <b>KR: Ski, round body needle</b>                                                            |                    |                    |                                                  |                                      |                                          |                   |
| KR 27<br>   | 2                  | 3/0                | 1 x 40 cm                                        | Violet                               | CV 4630                                  | Loop              |
| <b>HS: ½ circle, reverse cutting needle</b>                                                  |                    |                    |                                                  |                                      |                                          |                   |
| HS 18<br>   | 2<br>3             | 3/0<br>2/0         | 1 x 75 cm<br>1 x 75 cm                           | Violet<br>Violet                     | CV 0424<br>CV 0425                       |                   |
| HS 21<br>   | 1.5                | 4/0                | 1 x 75 cm                                        | Violet                               | CV 0300                                  |                   |
| HS 25<br> | 2<br>3<br>3.5      | 3/0<br>2/0<br>0    | 1 x 75 cm<br>1 x 75 cm<br>1 x 75 cm              | Violet<br>Violet<br>Violet           | CV 0441<br>CV 0442<br>CV 0443            |                   |
| HS 30<br> | 3<br>3.5<br>4      | 2/0<br>0<br>1      | 1 x 75 cm<br>1 x 75 cm<br>1 x 75 cm              | Violet<br>Violet<br>Violet           | CV 0445<br>CV 0446<br>CV 0447            |                   |
| HS 37<br> | 3.5<br>4           | 0<br>1             | 1 x 75 cm<br>1 x 75 cm                           | Violet<br>Violet                     | CV 1451<br>CV 1452                       |                   |
| HS 40<br> | 3<br>3.5<br>4<br>5 | 2/0<br>0<br>1<br>2 | 1 x 75 cm<br>1 x 75 cm<br>1 x 75 cm<br>1 x 75 cm | Violet<br>Violet<br>Violet<br>Violet | CV 0455<br>CV 0456<br>CV 0457<br>CV 0458 |                   |
| HS 48<br> | 3.5                | 0                  | 1 x 75 cm                                        | Violet                               | CV 0466                                  |                   |
|                                                                                              | 4<br>5             | 1<br>2             | 1 x 90 cm<br>1 x 90 cm                           | Violet<br>Violet                     | CV 0469<br>CV 0470                       |                   |

## CHIRASORB Plus braided

| Needle                                                                                        | EP            | USP               | Length                              | Colour                     | Cat. No                       | Other information       |
|-----------------------------------------------------------------------------------------------|---------------|-------------------|-------------------------------------|----------------------------|-------------------------------|-------------------------|
| <b>DS: 3/8 circle, reverse cutting needle</b>                                                 |               |                   |                                     |                            |                               |                         |
| DS 12<br>    | 1<br>1.5      | 5/0<br>4/0        | 1 x 45 cm<br>1 x 45 cm              | Violet<br>Violet           | CV 0202<br>CV 0203            |                         |
| DS 15<br>    | 1<br>1.5<br>2 | 5/0<br>4/0<br>3/0 | 1 x 45 cm<br>1 x 45 cm<br>1 x 45 cm | Violet<br>Violet<br>Violet | CV 0205<br>CV 0206<br>CV 0207 |                         |
| DS 19<br>    | 1<br>1.5<br>2 | 5/0<br>4/0<br>3/0 | 1 x 45 cm<br>1 x 45 cm<br>1 x 45 cm | Violet<br>Violet<br>Violet | CV 0214<br>CV 0215<br>CV 0216 |                         |
|                                                                                               | 1.5<br>2<br>3 | 4/0<br>3/0<br>2/0 | 1 x 75 cm<br>1 x 75 cm<br>1 x 75 cm | Violet<br>Violet<br>Violet | CV 0211<br>CV 0212<br>CV 0213 |                         |
| DS 25<br>  | 1.5<br>2<br>3 | 4/0<br>3/0<br>2/0 | 1 x 75 cm<br>1 x 75 cm<br>1 x 75 cm | Violet<br>Violet<br>Violet | CV 0222<br>CV 0223<br>CV 0224 |                         |
| DS 30<br>  | 3<br>3.5      | 2/0<br>0          | 1 x 75 cm<br>1 x 75 cm              | Violet<br>Violet           | CV 0234<br>CV 0235            |                         |
| <b>DSM: 3/8 circle, reverse cutting needle - micropoint</b>                                   |               |                   |                                     |                            |                               |                         |
| DSM 12<br> | 1             | 5/0               | 1 x 45 cm                           | Violet                     | CV 0302                       | Advanced cutting needle |
| <b>GS: Straight, reverse cutting needle</b>                                                   |               |                   |                                     |                            |                               |                         |
| GS 13<br>  | 1.5           | 4/0               | 1 x 45 cm                           | Violet                     | CV 1198                       |                         |



# CHIRASORB Plus braided natural ligatures



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Pre-cut threads

| EP  | USP | Length            | Cat. No |
|-----|-----|-------------------|---------|
| 1   | 5/0 | 3 x 45 cm         | CN 0012 |
| 1.5 | 4/0 | 3 x 45 cm         | CN 0013 |
| 2   | 3/0 | 3 x 45 cm         | CN 0014 |
| 3   | 2/0 | 3 x 45 cm         | CN 0015 |
| 3.5 | 0   | 3 x 45 cm         | CN 0016 |
| 2   | 3/0 | <b>10 x 45 cm</b> | CN 0064 |
| 3   | 2/0 | 10 x 45 cm        | CN 0065 |
| 1   | 5/0 | <b>2 x 75 cm</b>  | CN 0022 |
| 1.5 | 4/0 | 2 x 75 cm         | CN 0023 |
| 2   | 3/0 | 2 x 75 cm         | CN 0024 |
| 3   | 2/0 | 2 x 75 cm         | CN 0025 |
| 1.5 | 4/0 | <b>5 x 75 cm</b>  | CN 0053 |
| 2   | 3/0 | 5 x 75 cm         | CN 0054 |
| 3   | 2/0 | 5 x 75 cm         | CN 0055 |
| 3.5 | 0   | 5 x 75 cm         | CN 0056 |
| 4   | 1   | 5 x 75 cm         | CN 0057 |
| 5   | 2   | 5 x 75 cm         | CN 0058 |

Chirapack - 20 pcs./box

| EP  | USP | Length     | Cat. No |
|-----|-----|------------|---------|
| 1.5 | 4/0 | 1 x 300 cm | CN 0003 |
| 2   | 3/0 | 1 x 300 cm | CN 0004 |
| 3   | 2/0 | 1 x 300 cm | CN 0005 |
| 3.5 | 0   | 1 x 300 cm | CN 0006 |



Absorbable - Chirapack Plus braided

## CHIRASORB Plus braided

| Needle                                                                                        | EP       | USP        | Length                 | Colour             | Cat. No            | Other information |
|-----------------------------------------------------------------------------------------------|----------|------------|------------------------|--------------------|--------------------|-------------------|
| <b>HR: ½ circle, round body needle</b>                                                        |          |            |                        |                    |                    |                   |
| HR 13<br>    | 1<br>1.5 | 5/0<br>4/0 | 1 x 45 cm<br>1 x 45 cm | Natural<br>Natural | CN 0252<br>CN 0253 |                   |
| HR 18<br>    | 1.5<br>2 | 4/0<br>3/0 | 1 x 75 cm<br>1 x 75 cm | Natural<br>Natural | CN 0256<br>CN 0257 |                   |
| HR 22<br>    | 2<br>3   | 3/0<br>2/0 | 1 x 75 cm<br>1 x 75 cm | Natural<br>Natural | CN 0262<br>CN 0263 |                   |
| HR 27<br>   | 2        | 3/0        | 1 x 75 cm              | Natural            | CN 0266            |                   |
| HR 30<br>  | 3.5      | 0          | 1 x 75 cm              | Natural            | CN 0274            |                   |
| <b>HRT: ½ circle, round body needle - tapercut</b>                                            |          |            |                        |                    |                    |                   |
| HRT 17<br> | 1.5<br>2 | 4/0<br>3/0 | 1 x 75 cm<br>1 x 75 cm | Natural<br>Natural | CN 0561<br>CN 0562 |                   |
| HRT 22<br> | 2        | 3/0        | 1 x 75 cm              | Natural            | CN 0572            |                   |
| HRT 40<br> | 3<br>3.5 | 2/0<br>0   | 1 x 75 cm<br>1 x 75 cm | Natural<br>Natural | CN 0694<br>CN 0653 |                   |



# CHIRASORB Plus braided

UK04  
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| Needle                                                                                       | EP            | USP               | Length                              | Colour                        | Cat. No                       | Other information |
|----------------------------------------------------------------------------------------------|---------------|-------------------|-------------------------------------|-------------------------------|-------------------------------|-------------------|
| <b>HRF: ½ circle, flattened body needle, taper point</b>                                     |               |                   |                                     |                               |                               |                   |
| HRF 13<br>  | 1             | 5/0               | 1 x 45 cm                           | Natural                       | CN 9252                       |                   |
| HRF 22<br>  | 2             | 3/0               | 1 x 75 cm                           | Natural                       | CN 9262                       |                   |
| HRF 26<br>  | 3             | 2/0               | 1 x 75 cm                           | Natural                       | CN 9267                       |                   |
| <b>DS: 3/8 circle, reverse cutting needle</b>                                                |               |                   |                                     |                               |                               |                   |
| DS 12<br> | 1             | 5/0               | 1 x 45 cm                           | Natural                       | CN 1202                       |                   |
| DS 15<br> | 1.5<br>2      | 4/0<br>3/0        | 1 x 45 cm<br>1 x 45 cm              | Natural<br>Natural            | CN 1206<br>CN 1207            |                   |
| DS 19<br> | 1<br>1.5<br>2 | 5/0<br>4/0<br>3/0 | 1 x 45 cm<br>1 x 45 cm<br>1 x 45 cm | Natural<br>Natural<br>Natural | CN 1215<br>CN 1216<br>CN 1217 |                   |
|                                                                                              | 1.5<br>2<br>3 | 4/0<br>3/0<br>2/0 | 1 x 75 cm<br>1 x 75 cm<br>1 x 75 cm | Natural<br>Natural<br>Natural | CN 1211<br>CN 1212<br>CN 1213 |                   |